

# GibPascal Road Map

The purpose of this document is to show where GibPascal has been and what we plan to develop in the future. Because of the later, this document could be modified, and information added from time to time.

Document edition 1.1 Last edited Nov 06, 2021

Document edition 1.0 Last edited Oct 31, 2021

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**30 May 2003**  
**GibPascal 1.0**  
**Initial release**  
**Release name "Buzzy"**

Most generally used commands/functions  
File writing editing  
String manipulation  
Type declarations  
Format checks  
error checking  
debug mode  
Basic math and comparison logics  
X11 message boxes  
System variables  
IF THEN  
REPEAT UNTIL  
GOTO LABEL

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**29 Oct 2021**  
**GibPascal 1.1**  
**Feature and Bug Fix release**  
**Release Name: "Halloween"**

About/Changes:

This section address what has changed between version 1.0 and 1.1 of GibPascal

From the development side of GibPascal, the compiling of the interpreter has been broken up into separate scripts.

Additionally, a lot of underlining code has been updated to be compatible to the changes with the newer 11 GCC compiler.

Next, we did a lot of formatting cleanup to the debugging code. This was to make it easier to read and clearer what function was being called. Also, some better error checking was done.

Furthermore, new functions have been added:

- o wround () function added :: math functions
- o rmdir () function added :: main functions
- o chdir () function added :: main functions
- o delay () function added :: system functions

Lastly, new system variables have been added:

- o GetCurrentDir
- o SYSTEM.cwd

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**06 Nov 2021**

**GibPascal 1.2**

**Feature and Bug Fix release**

**Release Name: "Sanitizer"**

Update Testing scripts as needed

Include Cygwin source for binary windows release

new functionality and bug fixes added:

- o added true (\* remarks to ignore entire line
- o added true // remarks to ignore entire line
- o wsqrt() function added
- o square, cube, ect ability in math with '^'  
NewValue := 4 ^ 2;  
Returns 16  
NewValue := 4 ^ 3;  
Returns 64
- o Corrected write and writeln handling of int
- o Pi populated default variable value added
- o Improved debugging.
- o added char type.
- o expanding on math functions
- o solved floating point issue
- o solved read for real numbers issue
- o Math symbol '#' sqrt of a number  
NewValue := 16 #;  
Returns 4
- o Math symbol '~' round the number to integer  
NewValue := 444.2 ~;  
Returns 444
- o Math symbol '%' modulus added  
NewValue := 4 % 2;  
Returns 0  
NewValue := 10 % 3;  
Returns 1

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**<not yet released>**  
**GibPascal 1.2.1**

- o Bug fix release

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**<not yet released>**  
**GibPascal 2.0**

- o Windows GUI API added
- o X11 GUI API extended.